

FULL PRESCRIBING INFORMATION

STUDIES (14)

2.1 Dosing Information

INDICATIONS AND USAGE

DOSAGE AND ADMINISTRATION

2.2 Dosage Adjustment in Specific Populations

DOSAGE FORMS AND STRENGTHS

CONTRAINDICATIONS

5.1 Angioedema

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CONTRAINDICATIONS (4)1.

CONTRAINDICATIONS (4)1.

5.4 Controlled Narrow-Angle Glaucoma

5.5 Central Nervous System Effects

discontinuation should be considered.

5.3 Gastrointestinal Disorders

WARNINGS AND PRECAUTIONS

appropriate therapy promptly provided.

extended-release capsules 2 mg [see CLINICAL STUDIES (14)].

PRECAUTIONS (5.6) and USE IN SPECIFIC POPULATIONS (8.6, 8.7)].

2.3 Dosage Adjustment in Presence of Concomitant Drugs

capsules is 2 mg once daily [see DRUG INTERACTIONS (7.2)].

tolterodine [see WARNINGS AND PRECAUTIONS (5.2), (5.3), (5.4)].

terodine tartrate extended-release capsules are indicated for the treatment of overactiv

bladder with symptoms of urge urinary incontinence, urgency, and frequency [see CLINICAL

The recommended dose of tolterodine tartrate extended-release capsules is 4 mg once daily

with water and swallowed whole. The dose may be lowered to 2 mg daily based on individual

response and tolerability; however, limited efficacy data are available for tolterodine tartrate

For patients with mild to moderate hepatic impairment (Child-Pugh Class A or B) or severe

renal impairment (CCr 10 to 30 mL/min), the recommended dose of tolterodine tartrate

are not recommended for use in patients with severe hepatic impairment (Child-Pugh Class

C). Patients with CCr<10 mL/min have not been studied and use of tolterodine tartrate

For patients who are taking drugs that are potent inhibitors of CYP3A4 [e.g., ketoconazole

The 2 mg capsules are size "4", hard gelatin capsules having a green cap and green body

imprinted "1189" on the cap with white ink, containing off-white to brownish colored pellets

The 4 mg capsules are size "3", hard gelatin capsules having a blue cap and blue body,

imprinted "1190" on the cap with white ink, containing off-white to brownish colored pellets.

Tolterodine tartrate extended-release capsules are contraindicated in patients with urinary

retention, gastric retention, or uncontrolled narrow-angle glaucoma. Tolterodine tartrate

extended-release capsules are also contraindicated in patients with known hypersensitivity to

the drug or its ingredients, or to fesoterodine fumarate extended-release tablets which, like

tolterodine tartrate extended-release capsules, are metabolized to 5-hydroxymethy

Anaphylaxis and angioedema requiring hospitalization and emergency medical treatment

have occurred with the first or subsequent doses of tolterodine tartrate extended-release

capsules. In the event of difficulty in breathing, upper airway obstruction, or fall in blood

pressure, tolterodine tartrate extended-release capsules should be discontinued and

clinically significant bladder outflow obstruction because of the risk of urinary retention [see

Administer tolterodine tartrate extended-release capsules with caution in patients with

Tolterodine tartrate extended-release capsules, like other antimuscarinic drugs, may decrease

gastrointestinal motility and should be used with caution in patients with conditions

issociated with decreased gastrointestinal motility (e.g., intestinal atony) [see

Administer tolterodine tartrate extended-release capsules with caution in patients being

Tolterodine tartrate extended-release capsules are associated with anticholinergic central

nervous system (CNS) effects [see Adverse Reactions (6.2)] including dizziness and

somnolence [see Adverse Reactions (6.1)]. Patients should be monitored for signs of

anticholinergic CNS effects, particularly after beginning treatment or increasing the dose

Advise patients not to drive or operate heavy machinery until the drug's effects have been

determined. If a patient experiences anticholinergic CNS effects, dose reduction or drug

The clearance of orally administered tolterodine immediate release was substantially lower in

cirrhotic patients than in the healthy volunteers. For patients with mild to moderate hepatic

impairment (Child-Pugh Class A or B), the recommended dose for tolterodine tartrate

extended-release capsules is 2 mg once daily. Tolterodine tartrate extended-release capsules

are not recommended for use in patients with severe henatic impairment (Child-Pugh Class

C) [see DOSAGE AND ADMINISTRATION (2.2) and USE IN SPECIFIC POPULATIONS (8.6)].

Renal impairment can significantly alter the disposition of tolterodine and its metabolites. The

dose of tolterodine tartrate extended-release cansules should be reduced to 2 mg once daily

in patients with severe renal impairment (CCr: 10 to 30 mL/min). Patients with CCr<10

mL/min have not been studied and use of tolterodine tartrate extended-release capsules in

nded [*see Dosage and Administration (2.2) and USE IN*

gastrointestinal obstructive disorders because of the risk of gastric retention

treated for narrow-angle glaucoma [see CONTRAINDICATIONS (4)].

inister tolterodine tartrate extended-release capsules with caution to patients with

clarithromycin, ritonavir], the recommended dose of tolterodine tartrate extended-release

extended-release capsules in this population is not recommended [see WARNINGS AND

extended-release capsules is 2 mg once daily. Tolterodine tartrate extended-release capsule

| PRODUCT NAME : | Tolterodine Tartrate Extended-Release Capsules | COUNTRY: US | LOCATION : Ind | rad | | Supersedes A/W No | o.: | V. No.: 01 |
|-------------------|--|---------------------------------------|----------------|------------------------------|------|-------------------|-----------|------------|
| ITEM / PACK : | Outsert | NO. OF COLORS: 1 | REMARK: | | | | | |
| DESIGN STYLE : | Front | PANTONE SHADE NOS.: | SUBSTRATE: 40 | 0 g/m ² Bible Pap | er | | | |
| CODE : | 8098666 | Black | Activities | Department | Name | | Signature | Date |
| DIMENSIONS (MM) : | 490 x 340 | | Prepared By | Pkg.Dev | | | | |
| ART WORK SIZE : | S/S | | Reviewed By | Pkg.Dev | | | | |
| DATE : | 14-02-2025 | Font Size 6.5 pt_Medi Font Size 10 pt | Approved By | Quality | | | | |

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These details can be moved by printed to arrange pharma code/ Bar code and adjacent text visible on folded leaflet.



HIGHI IGHTS

INFORMATION

These highlights do not include all the

information needed to use TOLTERODINE

PRESCRIBING

---INDICATIONS AND USAGE-----

Tolterodine tartrate extended-release capsules are an antimuscarinic indicated for urgency, and frequency. (1)

--DOSAGE AND ADMINISTRATION----- abdominal pain. (6.1)

water and swallowed whole, (2.1) water and swallowed whole in the presence or <u>www.fda.gov/medwatch</u>

o mild to moderate hepatic impairment • Potent (Child-Pugh class A or B) (2.2)

o severe renal impairment [Creatinine Clearance (CCr) 10 to 30 mL/min1 (2.2) o drugs that are potent CYP3A4

 Tolterodine tartrate extended-release capsules are not recommended for use in patients with CCr <10 mL/min. (2.2) Tolterodine tartrate extended-release

capsules are not recommended for use in patients with severe hepatic impairment (Child-Pugh Class C). (2.2)

-----DOSAGE FORMS AND STRENGTHS-----Capsules: 2 mg and 4 mg (3)

----CONTRAINDICATIONS-Tolterodine tartrate extended-release urinary retention, gastric retention, or (8.6) uncontrolled narrow-angle glaucoma. • Hepatic Impairment: Not recommended for Tolterodine tartrate extended-release use in severe hepatic impairment (Child capsules are also contraindicated in patients ingredients, or to fesoterodine fumarate Class A, B). (8.7) extended-release tablets which, like See 17 for PATIENT COUNSELING tolterodine tartrate extended-release INFORMATION and FDA-approved patient capsules, are metabolized to labeling. 5-hydroxymethyl tolterodine. (4)

-----WARNINGS AND PRECAUTIONS-----· Anaphylaxis and angioedema requiring treatment have occurred with the first or

subsequent doses of tolterodine tartrate extended-release capsules. (5.1) . Urinary Retention: use caution in patients with clinically significant bladder outflow obstruction because of the risk of urinary

retention. (5.2) · Gastrointestinal Disorders: use caution in patients with gastrointestinal obstructive lisorders or decreased gastrointestinal motility because of the risk of gastric

retention. (5.3) · Controlled Narrow-Angle Glaucoma: use caution in patients being treated for

narrow-angle glaucoma. (5.4) · Central Nervous System Effects: Somnolence has been reported with tolterodine tartrate extended-release

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operate heavy machinery until they know how tolterodine tartrate extended-release capsules affect them. (5.5)

capsules. Advise patients not to drive or

 Myasthenia Gravis: use caution in patients with myasthenia gravis. (5.8) QT Prolongation: consider observations

from the thorough QT study in clinical decisions to prescribe tolterodine tartrate extended-release capsules to patients with a known history of QT prolongation or to patients who are taking Class IA (e.g., quinidine, procainamide) or Class III (e.g. amiodarone, sotalol) antiarrhythmic medications. (5.9)

-----ADVERSE REACTIONS----the treatment of overactive bladder with The most common adverse reactions symptoms of urge urinary incontinence, (incidence \geq 4% and >placebo) were dry

mouth, headache, constipation, and • 4 mg capsules taken orally once daily with **To report SUSPECTED ADVERSE**

REACTIONS, contact Torrent Pharma Inc. at • 2 mg capsules taken orally once daily with 1-800-912-9561 or FDA at 1-800-FDA-1088

-- DRUG INTERACTIONS--CYP3A4 Inhibitors: Coadministration may increase systemic exposure to tolterodine tartrate extended-release cansules Reduce tolterodine tartrate extended-release

capsules dose to 2 mg once daily. (7.2) Other Anticholinergics (antimuscarinics) Concomitant use with other anticholinergic agents may increase the frequency and/or severity of dry mouth, constipation, blurred vision, and other anticholinergic pharmacological effects. (7.6)

-----USE IN SPECIFIC POPULATIONS-----• Renal Impairment: Tolterodine tartrate extended-release capsules are not recommended for use in patients with CCr <10 mL/min. Dose adjustment in severe capsules are contraindicated in patients with renal impairment (CCr: 10 to 30 mL/min).

Pugh Class C). Dose adjustment in mild to with known hypersensitivity to the drug or its moderate hepatic impairment (Child Pugh

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full prescribing information are not listed.

5.8 Myasthenia Gravis 16 HOW SUPPLIED/STORAGE AND

SPECIFIC POPULATIONS (8.7)].

Administer tolterodine tartrate extended-release capsules with caution in patients with myasthenia gravis, a disease characterized by decreased cholinergic activity at the

5.9 Use in Patients with Congenital or Acquired QT Prolongation

In a study of the effect of tolterodine immediate release tablets on the QT interval [see CLINICAL PHARMACOLOGY (12.2)], the effect on the QT interval appeared greater for 8 mg/day (two times the therapeutic dose) compared to 4 mg/day and was more pronounced n CYP2D6 poor metabolizers (PM) than extensive metabolizers (EMs). The effect of tolterodine 8 mg/day was not as large as that observed after four days of therapeutic dosing

with the active control moxifloxacin. However, the confidence intervals overlapped.

These observations should be considered in clinical decisions to prescribe tolterodine tartrate extended-release capsules to patients with a known history of QT prolongation or to patients who are taking Class IA (e.g., quinidine, procainamide) or Class III (e.g., amiodarone, sotalol) antiarrhythmic medications. There has been no association of Torsade de Pointes in the international post-marketing experience with tolterodine tartrate immediate release tablets or tolterodine tartrate extended-release capsules.

6 ADVERSE REACTIONS

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

6.1 Clinical Trials Experience

The efficacy and safety of tolterodine tartrate extended-release capsules was evaluated in 1,073 patients (537 assigned to tolterodine tartrate extended-release capsules; 536 assigned to placebo) who were treated with 2, 4, 6, or 8 mg/day for up to 15 months. These included a total of 1.012 patients (505 randomized to tolterodine tartrate extended-release capsules 4 mg once daily and 507 randomized to placebo) enrolled in a randomized, placebo-controlled double-blind, 12-week clinical efficacy and safety study.

Adverse events were reported in 52% (n=263) of patients receiving tolterodine tartrate extended-release capsules and in 49% (n=247) of patients receiving placebo. The most common adverse events reported by patients receiving tolterodine tartrate extended-release capsules were dry mouth, headache, constipation, and abdominal pain. Dry mouth was the

most frequently reported adverse event for nations treated with tolterodine tartrate extended-release capsules, occurring in 23.4% of patients treated with tolterodine tartrate extended-release capsules and 7.7% of placebo-treated patients. Dry mouth, constipation abnormal vision (accommodation abnormalities) urinary retention and dry eyes are expected side effects of antimuscarinic agents. A serious adverse event was reported by 1.4% (n=7) of patients receiving tolterodine tartrate extended-release capsules and by 3.6% (n=18) of patients receiving placebo.

Table 1 lists the adverse events, regardless of causality, that were reported in the randomized, double-blind, placebo-controlled 12-week study at an incidence greater than placebo and in greater than or equal to 1% of patients treated with tolterodine tartrate extended-release capsules 4 mg once daily.

Table 1. Incidence* (%) of Adverse Events Exceeding Placebo Rate and Reported in ≥1% of Patients Treated with Tolterodine Tartrate Extended-Release Capsules (4 mg daily) in a 12-week, Phase 3 Clinical Trial

| Body System | Adverse Event | % Tolterodine Tartrate Extended- Release Capsules n=505 | % Placebo n=507 |
|-------------------------------|-----------------|---|--------------------|
| Autonomic Nervous | dry mouth | 23 | 8 |
| General | headache | 6 | 5 |
| | fatigue | 2 | 1 |
| Central/Peripheral Nervous | dizziness | 2 | 1 |
| Gastrointestinal | constipation | 6 | 4 |
| | abdominal pain | 4 | 2 |
| | dyspepsia | 3 | 1 |
| Vision | xerophthalmia | 3 | 2 |
| | vision abnormal | 1 | 0 |
| Psychiatric | somnolence | 3 | 2 |
| | anxiety | 1 | 0 |
| Respiratory | sinusitis | 2 | 1 |
| Urinary | dysuria | 1 | 0 |

* in nearest integer.

The frequency of discontinuation due to adverse events was highest during the first 4 weeks of treatment. Similar percentages of patients treated with tolterodine tartrate tended-release capsules or placebo discontinued treatment due to adverse events. Dry mouth was the most common adverse event leading to treatment discontinuation among patients receiving tolterodine tartrate extended-release capsules [n=12 (2.4%) vs. placebo

6.2 Post-marketing Experience

The following events have been reported in association with tolterodine use in worldwide post-marketing experience General: anaphylaxis and angioedema; Cardiovascular: tachycardia, palpitations, peripheral

edema; Gastrointestinal: diarrhea; Central/Peripheral Nervous: confusion, disorientation memory impairment, hallucinations. Reports of aggravation of symptoms of dementia (e.g., confusion, disorientation, delusion) have been reported after tolterodine therapy was initiated in patients taking cholinesterase

inhibitors for the treatment of dementia. Because these spontaneously reported events are from the worldwide post-marketing experience, the frequency of events and the role of tolterodine in their causation cannot be reliably determined.

DRUG INTERACTIONS 7.1 Potent CYP2D6 Inhibitors

Fluoxetine, a potent inhibitor of CYP2D6 activity, significantly inhibited the metabolism of tolterodine immediate release in CYP2D6 extensive metabolizers, resulting in a 4.8-fold increase in tolterodine AUC. There was a 52% decrease in $C_{\rm max}$ and a 20% decrease in AUC of 5-hydroxymethyl tolterodine (5-HMT), the pharmacologically active metabolite of tolterodine [see *CLINICAL PHARMACOLOGY (12.1)*]. The sums of unbound serum concentrations of erodine and 5-HMT are only 25% higher during the interaction. No dose adjustment is required when tolterodine and fluoxetine are co-administered [see CLINICAL PHARMACOLOGY (12.3)1.

7.2 Potent CYP3A4 Inhibitors

Ketoconazole (200 mg daily), a potent CYP3A4 inhibitor, increased the mean C, and AUC of colterodine by 2- and 2.5-fold, respectively, in CYP2D6 poor metabolizers

For patients receiving ketoconazole or other potent CYP3A4 inhibitors such as itraconazole, clarithromycin, or ritonavir, the recommended dose of tolterodine tartrate extended-release capsules is 2 mg once daily [see DOSAGE AND ADMINISTRATION (2.2) and CLINICAL

PHARMACOLOGY (12.3)]. 7.3 Other Interactions

No clinically relevant interactions have been observed when tolterodine was co-administered with warfarin, with a combined oral contraceptive drug containing ethinyl estradiol and orgestrel, or with diuretics [see CLINICAL PHARMACOLOGY (12.3)].

7.4 Other Drugs Metabolized by Cytochrome P450 Isoenzymes

In vivo drug-interaction data show that tolterodine immediate release does not result in clinically relevant inhibition of CYP1A2, 2D6, 2C9, 2C19, or 3A4 as evidenced by lack of influence on the marker drugs caffeine, deb

CLINICAL PHARMACOLOGY (12.3)]. 7.5 Drug-Laboratory-Test Interactions

Interactions between tolterodine and laboratory tests have not been studied.

7.6 Other Anticholineraics

The concomitant use of tolterodine tartrate extended-release capsules with other anticholinergic (antimuscarinic) agents may increase the frequency and/or severity of dry mouth, constipation, blurred vision, somnolence, and other anticholinergic pharmacologica

8 USE IN SPECIFIC POPULATIONS 8.1 Pregnancy

Risk Summary

There are no available data with tolterodine tartrate extended-release capsules use in pregnant women to inform drug-associated risks. In animal reproduction studies, oral administration of tolterodine and its 5-HMT metabolite to pregnant mice during ganogenesis did not produce adverse developmental outcomes at doses approximately to 12 times the clinical exposure at a dose of 20 mg/kg/day; however, higher doses produced adverse developmental outcomes (see Data).

In the U.S. general population, the estimated background rate of major birth defects and miscarriage in clinically recognized pregnancies is 2 to 4% and 15 to 20%, respectively.

Animal Data

No anomalies or malformations were observed after oral administration of tolterodine to pregnant mice during organogenesis at approximately 9 to 12 times the clinical exposure to the pharmacologically active components of tolterodine tartrate extended-release capsules (based on the AUC of tolterodine and its 5-HMT metabolite at a dose of 20 mg/kg/day). At 14 to 18 times the clinical exposure (doses of 30 to 40 mg/kg/day) in mice, tollerodine was embryo-lethal, caused reduced fetal weight, and increased the incidence of fetal abnormalities (cleft palate, digital abnormalities, intra-abdominal hemorrhage, and various skeletal abnormalities, primarily reduced ossification). Pregnant rabbits admir tolterodine subcutaneously at about 0.3 to 2.5 times the clinical exposure (dose of 0.8 mg/kg/day) did not show any embryotoxicity or teratogenicity.

8.2 Lactation

There is no information on the presence of tolterodine or its 5-HMT metabolite in human milk the effects on the breastfed infant, or the effects on milk production. Based on limited data, tolterodine is excreted into the milk in mice in low amounts (see Data). The development and health benefits of breastfeeding should be considered along with the mother's clinical need for tolterodine tartrate extended-release capsules and any potential adverse effects on the breastfed infant from tolterodine tartrate extended-release capsules or from the underlying maternal condition

Animal Data The use of radiolabeled tolterodine in pregnant mice produced milk: plasma ratios that

ranged between 0.0 and 0.7. 8.4 Pediatric Use

Efficacy was not established in two randomized, placebo-controlled, double-blind, 12-week studies that enrolled 710 pediatric patients (486 on tolterodine tartrate extended-release capsules, 224 on placebo) aged 5 to 10 years with urinary frequency and urge incontinence The percentage of patients with urinary tract infections was higher in patients treated with tolterodine tartrate extended-release capsules (6.6%) compared to patients who received placebo (4.5%). Aggressive, abnormal, and hyperactive behavior and attention disorders occurred in 2.9% of children treated with tolterodine tartrate extended-release capsules compared to 0.9% of children treated with placebo.

The effectiveness of tolterodine tartrate extended-release capsules has not been established

— 8.5 Geriatric Use

No overall differences in safety were observed between the older and younger patients treated

with tolterodine In multiple-dose studies in which tolterodine immediate release 4 mg (2 mg bid) was administered, serum concentrations of tolterodine and of 5-HMT were similar in healthy elderly volunteers (aged 64 through 80 years) and healthy young volunteers (aged less than 40 years). In another clinical study, elderly volunteers (aged 71 through 81 years) were given tolterodine immediate release 2 or 4 mg (1 or 2 mg bid). Mean serum concentrations of tolterodine and 5-HMT in these elderly volunteers were approximately 20% and 50% higher, respectively, than concentrations reported in young healthy volunteers. However, no overal differences were observed in safety between older and younger patients on tolterodine in the Phase 3, 12-week, controlled clinical studies; therefore, no tolterodine dosage adjustment for elderly patients is recommended.

8.6 Renal Impairment

Renal impairment can significantly alter the disposition of tolterodine immediate release and its metabolites. In a study conducted in patients with creatinine clearance between 10 and 30 mL/min, tolterodine and 5-HMT levels were approximately 2 to 3 fold higher in patients with renal impairment than in healthy volunteers. Exposure levels of other metabolites of tolterodine (e.g., tolterodine acid, N-dealkylated tolterodine acid, N-dealkylated tolterodine and \emph{N} -dealkylated hydroxy tolterodine) were significantly higher (10 to 30 fold) in renally impaired patients as compared to the healthy volunteers. The recommended dose for patients with severe renal impairment (CCr: 10 to 30 mL/min) is tolterodine tartrate extended-releas capsules 2 mg daily. Patients with CCr<10 mL/min have not been studied and use of tolterodine tartrate extended-release capsules in this population is not recommended [se DOSAGE AND ADMINISTRATION (2.2) and WARNINGS AND PRECAUTIONS (5.6)] Tolterodine tartrate extended-release capsules have not been studied in patients with mild to

moderate renal impairment [CCr 30 to 80 mL/min].

8.7 Hepatic Impairment Liver impairment can significantly alter the disposition of tolterodine immediate release. In a study of tolterodine immediate release conducted in cirrhotic patients (Child-Pugh Class A and B), the elimination half-life of tolterodine immediate release was longer in cirrhotic patients (mean, 7.8 hours) than in healthy, young, and elderly volunteers (mean, 2 to 4 hours). The clearance of orally administered tolterodine immediate release was subst lower in cirrhotic patients $(1.0 \pm 1.7 \text{ L/h/kg})$ than in the healthy volunteers $(5.7 \pm 3.8 \text{ L/h/kg})$ The recommended dose for patients with mild to moderate hepatic impairment (Child-Pugh Class A or B) is tolterodine tartrate extended-release capsules 2 mg once daily. Tolterodine tartrate extended-release capsules are not recommended for use in patients with severe hepatic impairment (Child-Pugh Class C) [see DOSAGE AND ADMINISTRATION (2.2) and

WARNINGS AND PRECAUTIONS (5.4)1. 10 OVERDOSAGE

Overdosage with tolterodine tartrate extended-release capsules can potentially result i severe central anticholinergic effects and should be treated accordingly. ECG monitoring is recommended in the event of overdosage. In dogs, changes in the QT

erval (slight prolongation of 10% to 20%) were observed at a suprapharmacologic dose of 4.5 mg/kg, which is about 68 times higher than the recommended human dose. In clinical trials of normal volunteers and patients, QT interval prolongation was observed with tolterodine immediate release at doses up to 8 mg (4 mg bid) and higher doses were no evaluated [see WARNINGS AND PRECAUTIONS (5.9) and CLINICAL PHARMACOLOGY

A 27-month-old child who ingested 5 to 7 tolterodine immediate release 2 mg tablets was treated with a suspension of activated charcoal and was hospitalized overnight with

symptoms of dry mouth. The child fully recovered 11 DESCRIPTION

Tolterodine tartrate extended-release capsules contain tolterodine tartrate. The active moiety tolterodine, is a muscarinic receptor antagonist. The chemical name of tolterodine tartrate is (R)-N, N-diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropanamine L-hydrogen

Tolterodine tartrate is a white, crystalline powder with a molecular weight of 475.6. The pK value is 9.87 and the solubility in water is 12 mg/mL. It is soluble in methanol, slightly soluble in ethanol, and practically insoluble in toluene. The partition coefficient (Log D) between n-octanol and water is 1.83 at pH 7.3.

Tolterodine tartrate 4 mg extended-release capsules for oral administration contain 4 mg of tolterodine tartrate. Inactive ingredients are cellulose microcrystalline, ethyl cellulose, FD & C blue 2, gelatin, hypromellose, medium chain triglycerides, oleic acid, sucrose, talc and

Tolterodine tartrate 2 mg extended-release capsules for oral administration contain 2 mg of tolterodine tartrate, and the following inactive ingredients: cellulose microcrystalline, ethyl cellulose. FD & C blue 2. gelatin, hypromellose, iron oxide vellow, medium chain triglycerides, oleic acid, sucrose, talc and titanium dioxide

Both the 2 mg and 4 mg capsule strengths are imprinted with a pharmaceutical grade printing ink that contains potassium hydroxide, propylene glycol, shellac, strong ammonia solution and titanium dioxide.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Tolterodine acts as a competitive antagonist of acetylcholine at postganglionic muscarinic receptors. Both urinary bladder contraction and salivation are mediated via cholinergic muscarinic receptors.

After oral administration, tolterodine is metabolized in the liver, resulting in the formation of 5-hydroxymethyl tolterodine (5-HMT), the major pharmacologically active metabolite 5-HMT, which exhibits an antimuscarinic activity similar to that of tolterodine, contributes significantly to the therapeutic effect. Both tolterodine and 5-HMT exhibit a high specificity for muscarinic receptors, since both show negligible activity or affinity for other neurotransmitter receptors and other potential cellular targets, such as calcium channels.

12.2 Pharmacodynamics

Tolterodine has a pronounced effect on bladder function. Effects on urodynamic parameters before and 1 and 5 hours after a single 6.4 mg dose of tolterodine immediate release were

determined in healthy volunteers. The main effects of tolterodine at 1 and 5 hours were an increase in residual urine, reflecting an incomplete emptying of the bladder, and a decrease n detrusor pressure. These findings are consistent with an antimuscarinic action on the lower urinary tract.

Cardiac Electrophysiolog The effect of 2 mg BID and 4 mg BID of tolterodine tartrate immediate release (tolterodine IR) ablets on the QT interval was evaluated in a 4-way crossover, double-blind, placebo- and active-controlled (moxifloxacin 400 mg QD) study in healthy male (N=25) and female (N=23) volunteers aged 18 to 55 years. Study subjects [approximately equal representation of CYP2D6 extensive metabolizers (EMs) and poor metabolizers (PMs)] completed sequential 4-day periods of dosing with moxifloxacin 400 mg QD, tolterodine 2 mg BID, tolterodine I mg BID, and placebo. The 4 mg BID dose of tolterodine IR (two times the highest recommended dose) was chosen because this dose results in tolterodine exposure similar to that observed upon coadministration of tolterodine 2 mg BID with potent CYP3A4 inhibitors in patients who are CYP2D6 poor metabolizers [see DRUG INTERACTIONS (7.2)]. QT interval was measured over a 12-hour period following dosing, including the time of peak plasma

ncentration (T_{max}) of tolterodine and at steady state (Day 4 of dosing). Table 2 summarizes the mean change from baseline to steady state in corrected QT interval (QTc) relative to placebo at the time of peak tolterodine (1 hour) and moxifloxacin (2 hour) concentrations. Both Fridericia's (QT_F) and a population-specific (QT_P) method were used to correct QT interval for heart rate. No single QT correction method is known to be more valid than others. QT interval was measured manually and by machine, and data from both are presented. The mean increase of heart rate associated with a 4 mg/day dose of tolterodine in this study was 2.0 beats/minute and 6.3 beats/minute with 8 mg/day tolterodine. The change in heart rate with moxifloxacin was 0.5 beats/minute.

Table 2. Mean (CI) change in QTc from baseline to steady state (Day 4 of dosing)

| at I _{max} (totative to placebo) | | | | | | | |
|---|----|---|--|---|-----------------------------|--|--|
| Drug/Dose | N | QT _e F (msec) (manual) | QT _c F (msec) (machine) | QT _c P (msec) (manual) | QT P (msec) (machine) | | |
| Tolterodine 2 mg BID* | 48 | 5.01 (0.28, 9.74) | 1.16 (-2.99, 5.30) | 4.45 (-0.37, 9.26) | 2.00 (-1.81, 5.81) | | |
| Tolterodine 4 mg BID* | 48 | 11.84 (7.11, 16.58) | 5.63 (1.48, 9.77) | 10.31 (5.49, 15.12) | 8.34 (4.53, 12.15) | | |
| Moxifloxacin 400 mg QD [†] | 45 | 19.26 [‡] (15.49, 23.03) | 8.90 (4.77, 13.03) | 19.10 [‡] (15.32, 22.89) | 9.29 (5.34, 13.24) | | |

400 mg QD[†]

At T of 1 hr: 95% Confidence Interval.

[†]At T_{max} of 2 hr; 90% Confidence Interval [‡]The effect on QT interval with 4 days of moxifloxacin dosing in this QT trial may be greater

than typically observed in QT trials of other drugs. The reason for the difference between machine and manual read of QT interval is unclear. The QT effect of tolterodine immediate release tablets appeared greater for 8 mg/day (two times the therapeutic dose) compared to 4 mg/day. The effect of tolterodine 8 mg/day was

not as large as that observed after four days of therapeutic dosing with the active control

Tolterodine's effect on QT interval was found to correlate with plasma concentration of tolterodine. There appeared to be a greater QT_c interval increase in CYP2D6 poor metabolizers than in CYP2D6 extensive metabolizers after tolterodine treatment in this study. This study was not designed to make direct statistical comparisons between drugs or dose levels. There has been no association of Torsade de Pointes in the international post-marketing experience with tolterodine tartrate immediate-release tablets or tolterodine

tartrate extended-release capsules [see WARNINGS AND PRECAUTIONS (5.7)]

12.3 Pharmacokinetics Absorption: In a study with 14C-tolterodine solution in healthy volunteers who received a 5 mg oral dose, at least 77% of the radiolabeled dose was absorbed. $\mathrm{C}_{\scriptscriptstyle{max}}$ and area under the oncentration-time curve (AUC) determined after dosage of tolterodine immediate release are dose-proportional over the range of 1 to 4 mg. Based on the sum of unbound serum concentrations of tolterodine and 5-HMT ("active moiety"), the AUC of tolterodine extended elease 4 mg daily is equivalent to tolterodine immediate release 4 mg (2 mg bid). C_{max} and levels of tolterodine extended release are about 75% and 150% of tolterodine imelease, respectively. Maximum serum concentrations of tolterodine extended release are

observed 2 to 6 hours after dose administration. Effect of Food: There is no effect of food on the pharmacokinetics of tolterodine extended

Distribution: Tolterodine is highly bound to plasma proteins, primarily α_1 -acid glycoprotein. Inbound concentrations of tolterodine average 3.7% ± 0.13% over the concentration range achieved in clinical studies. 5-HMT is not extensively protein bound, with unbound fraction concentrations averaging 36% \pm 4.0%.The blood to serum ratio of tolterodine and 5-HMT averages 0.6 and 0.8, respectively, indicating that these compounds do not distribute extensively into erythrocytes. The volume of distribution of tolterodine following

administration of a 1.28 mg intravenous dose is 113 ± 26.7 L. Metabolism: Tolterodine is extensively metabolized by the liver following oral dosing. The primary metabolic route involves the oxidation of the 5-methyl group and is mediated by the cytochrome P450 2D6 (CYP2D6) and leads to the formation of a pharmacologically active metabolite, 5-HMT, Further metabolism leads to formation of the 5-carboxylic acid and *N*-dealkylated 5-carboxylic acid metabolites, which account for $51\% \pm 14\%$ and $29\% \pm 6.3\%$ of the metabolites recovered in the urine, respectively

Variability in Metabolism: A subset of individuals (approximately 7% of Caucasians and approximately 2% of African Americans) are poor metabolizers for CYP2D6, the enzyme responsible for the formation of 5-HMT from tolterodine. The identified pathway of netabolism for these individuals ("poor metabolizers") is dealkylation via cytochrome P450 3A4 (CYP3A4) to N-dealkylated tolterodine. The remainder of the population is referred to as extensive metabolizers." Pharmacokinetic studies revealed that tolterodine is metabolized at a slower rate in poor metabolizers than in extensive metabolizers; this results in significantly

higher serum concentrations of tolterodine and in negligible concentrations of 5-HMT. **Excretion:** Following administration of a 5 mg oral dose of ¹⁴C-tolterodine solution to healthy volunteers, 77% of radioactivity was recovered in urine and 17% was recovered in feces in 7 days. Less than 1% (< 2.5% in poor metabolizers) of the dose was recovered as intact

tolterodine, and 5% to 14% (<1% in poor metabolizers) was recovered as 5-HMT. A summary of mean (± standard deviation) pharmacokinetic parameters of tolterodine extended release and 5-HMT in extensive (EM) and poor (PM) metabolizers is provided in Table 3. These data were obtained following single and multiple doses of tolterodine extended release administered daily to 17 healthy male volunteers (13 EM, 4 PM).

Table 3. Summary of Mean (±SD) Pharmacokinetic Parameters of Tolterodine Extended

| Release and | d its Activ | e Metabo | lite (5-Hyd | Iroxymeth | ıyl Toltero | odine) in H | lealthy Vo | avg t _{1/2} | | | |
|----------------------------------|--------------------|------------------|-----------------------------|-----------|--------------------|------------------|------------|----------------------|--|--|--|
| | | Tolter | 5-Hydroxymethyl Tolterodine | | | | | | | | |
| | t _{max} * | C _{max} | Cavg | t,, | t _{max} * | C _{max} | Cavg | t,,, | | | |
| | (h) | (mcg/L) | (mcg/L) | (h) | (h) | (mcg/L) | (mcg/L) | (h) | | | |
| Single dose 4 mg [†] | | | | | | | | | | | |
| EM | 4(2 to 6) | 1.3(0.8) | 0.8(0.57) | 8.4(3.2) | 4(3 to 6) | 1.6(0.5) | 1.0(0.32) | 8.8(5.9) | | | |
| Multiple dose 4 mg | | | | | | | | | | | |
| EM | 4(2 to 6) | 3.4(4.9) | 1.7(2.8) | 6.9(3.5) | 4(2 to 6) | 2.7(0.90) | 1.4(0.6) | 9.9(4.0) | | | |
| PM | 4(3 to 6) | 19(16) | 13(11) | 18(16) | ‡ | ‡ | ‡ | ‡ | | | |

= Maximum serum concentration; $t_{\rm max}$ = Time of occurrence of $C_{\rm max}$ = Average serum concentration; $t_{\rm 1/2}$ = Terminal elimination half-life. Data presented as median (range)

†Parameter dose-normalized from 8 to 4 mg for the single-dose data.

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| PRODUCT NAME | : | Tolterodine Tartrate Extended-Release Capsules | COUNTRY: US | LOCATION : Ind | rad | | Supersedes A/W No |).: | V. No.: 01 |
|-----------------|---|--|---------------------------------------|----------------|------------------------------|------|-------------------|-----------|------------|
| ITEM / PACK | : | Outsert | NO. OF COLORS: 1 | REMARK: | | | | | |
| DESIGN STYLE | : | Back | PANTONE SHADE NOS.: | SUBSTRATE: 4 | 0 g/m ² Bible Pap | er | | | |
| CODE | : | 8098666 | Black | Activities | Department | Name | | Signature | Date |
| DIMENSIONS (MM) | : | 490 x 340 | | Prepared By | Pkg.Dev | | | | |
| ART WORK SIZE | : | S/S | | Reviewed By | Pkg.Dev | | | | |
| DATE | : | 14-02-2025 | Font Size 6.5 pt_Medi Font Size 10 pt | Approved By | Quality | | | | |

Note: Pharma code/ Bar code and adjacent text must be visible on folded leaflet.

These details can be moved by printed to arrange pharma code/Bar code and adjacent text visible on folded leaflet.

Potent CYP2D6 inhibitors: Fluoxetine is a selective serotonin reuptake inhibitor and a potent inhibitor of CYP2D6 activity. In a study to assess the effect of fluoxetine on the pharmacokinetics of tolterodine immediate release and its metabolites, it was observed that fluoxetine significantly inhibited the metabolism of tolterodine immediate release in extensive metabolizers, resulting in a 4.8-fold increase in tolterodine AUC. There was a 52% decrease in $C_{ ext{max}}$ and a 20% decrease in AUC of 5-hydroxymethyl tolterodine (5-HMT, the pharmacologically active metabolite of tolterodine). Fluoxetine thus alters the pharmacokinetics in patients who would otherwise be CYP2D6 extensive metabolizers of tolterodine immediate release to resemble the pharmacokinetic profile in poor metabolizers. The sums of unbound serum concentrations of tolterodine immediate release and 5-HMT are only 25% higher during the interaction. No dose adjustment is required when tolterodine and fluoxetine are co-administered.

Potent CYP3A4 inhibitors: The effect of a 200 mg daily dose of ketoconazole on the pharmacokinetics of tolterodine immediate release was studied in 8 healthy volunteers, all of whom were CYP2D6 poor metabolizers. In the presence of ketoconazole, the mean C_{max} and AUC of tolterodine increased by 2- and 2.5-fold, respectively. Based on these findings, other potent CYP3A4 inhibitors may also lead to increases of tolterodine plasma concentrations. For patients receiving ketoconazole or other potent CYP3A4 inhibitors such as itraconazole miconazole, clarithromycin, ritonavir, the recommended dose of tolterodine tartrate

extended-release capsules is 2 mg daily [see DOSAGE AND ADMINISTRATION (2.3)]. Warfarin: In healthy volunteers, coadministration of tolterodine immediate release 4 mg (2 mg bid) for 7 days and a single dose of warfarin 25 mg on day 4 had no effect on prothrombir time. Factor VII suppression, or on the pharmacokinetics of warfarin.

Oral Contracentives: Tolterodine immediate release 4 mg (2 mg bid) had no effect on the pharmacokinetics of an oral contraceptive (ethinyl estradiol 30 mcg/levo-norgestrel 150 mcg) as evidenced by the monitoring of ethinyl estradiol and levo-norgestrel over a 2-month period in healthy female volunteers.

Diuretics: Coadministration of tolterodine immediate release up to 8 mg (4 mg bid) for up to 12 weeks with diuretic agents, such as indapamide, hydrochlorothiazide, triamterene bendroflumethiazide, chlorothiazide, methylchlorothiazide, or furosemide, did not cause any adverse electrocardiographic (ECG) effects.

Effect of tolterodine on other drugs metabolized by Cytochrome P450 enzymes: Tolterodine immediate release does not cause clinically significant interactions with other drugs metabolized by the major drug-metabolizing CYP enzymes. In vivo drug-interaction data show that tolterodine immediate release does not result in clinically relevant inhibition of CYP1A2, 2D6, 2C9, 2C19, or 3A4 as evidenced by lack of influence on the marker drugs caffeine, debrisoguine, S-warfarin, and omeprazole. In vitro data show that tolterodine immediate release is a competitive inhibitor of CYP2D6 at high concentrations (K, 1.05 µM), while tolterodine immediate release as well as the 5-HMT are devoid of any significant inhibitory potential regarding the other isoenzymes.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenicity studies with tolterodine were conducted in mice and rats. At the maximum tolerated dose in mice (30 mg/kg/day), female rats (20 mg/kg/day), and male rats (30 mg/kg/day), exposure margins were approximately 6 to 9 times, 7 times, and 11 times the clinical exposure to the pharmacologically active components of tolterodine tartrate extended-release capsules (based on AUC of tolterodine and its 5-HMT metabolite). At these exposure margins, no increase in tumors was found in either mice or rats.

No mutagenic or genotoxic effects of tolterodine were detected in a battery of in vitro tests. including bacterial mutation assays (Ames test) in 4 strains of Salmonella typhimurium and in 2 strains of Escherichia coli, a gene mutation assay in L5178Y mouse lymphoma cells, and chromosomal aberration tests in human lymphocytes. Tolterodine was also negative in vivo in the bone marrow micronucleus test in the mouse.

In female mice treated for 2 weeks before mating and during gestation with 20 mg/kg/day (about 9 to 12 times the clinical exposure via AUC), neither effects on rep performance or fertility were seen. In male mice, a dose of 30 mg/kg/day did not induce any

14 CLINICAL STUDIES

Tolterodine tartrate extended-release capsules 2 mg were evaluated in 29 patients in a Phase dose-effect study. Tolterodine tartrate extended-release capsules 4 mg were evaluated for the treatment of overactive bladder with symptoms of urge urinary incontinence and frequency in a randomized, placebo-controlled, multicenter, double-blind, Phase 3, 12-week study. A total of 507 patients received tolterodine tartrate extended-release capsules 4 mg once daily in the morning and 508 received placeho. The majority of patients were Caucasian (95%) and female (81%), with a mean age of 61 years (range, 20 to 93 years). In the study, 642 patients (42%) were 65 to 93 years of age. The study included patients known to be responsive to tolterodine immediate release and other anticholinergic medications, however, 47% of patients never received prior pharmacotherapy for overactive bladder. At study entry 97% of patients had at least 5 urge incontinence episodes per week and 91% of patients had 8 or more micturitions per day.

The primary efficacy assessment was change in mean number of incontinence episodes per week at week 12 from baseline. Secondary efficacy measures included change in mean number of micturitions per day and mean volume voided per micturition at week 12 from baseline. Patients treated with tolterodine tartrate extended-release capsules experienced a statistically significant decrease in number of urinary incontinence per week from baseline to last assessment (week 12) compared with placebo as well as a decrease in the average daily urinary frequency and an increase in the average urine volume per void.

Mean change from baseline in weekly incontinence episodes, urinary frequency, and volume voided between placebo and tolterodine tartrate extended-release capsules are summarized

Table 4. 95% Confidence Intervals (CI) for the Difference between Tolterodine Tartrate Extended-Release Capsules (4 mg daily) and Placebo for Mean Change at Week

| | Tolterodine Tartrate Extended-Release Capsules (n=507) | Placebo (n=508) [†] | Treatment Difference, vs. Placebo (95% CI) |
|---|---|---------------------------------|---|
| Number of incontinence episodes/week Mean Baseline Mean Change from Baseline | 22.1 -11.8 (SD 17.8) | 23.3 -6.9 (SD 15.4) | -4.8 [‡] (-6.9, -2.8) |
| Number of micturitions/day Mean Baseline Mean Change from Baseline | 10.9 -1.8 (SD 3.4) | 11.3 -1.2 (SD 2.9) | -0.6 [‡] (-1.0, -0.2) |
| Volume voided per micturition (mL) Mean Baseline Mean Change from Baseline | 141 34 (SD 51) | 136 14 (SD 41) | 20 [‡] (14, 26) |

- SD = Standard Deviation Intent-to-treat analysis.
- † 1 to 2 patients missing in placebo group for each efficacy parameter. ‡ The difference between tolterodine tartrate extended-release capsules and placebo was

16 HOW SUPPLIED/STORAGE AND HANDLING

Tolterodine tartrate extended-release capsules are supplied as follows: 2 mg capsules are size "4", hard gelatin capsules having a green cap and green body,

100 Unit dose capsules

imprinted "1189" on the cap with white ink, containing off-white to brownish colored pellets. Bottles of 30 NDC 13668-189-30 Bottles of 90 NDC 13668-189-90 Bottles of 500 NDC 13668-189-05

NDC 13668-189-74

4 mg capsules are size "3", hard gelatin capsules having a blue cap and blue body, imprinted "1190" on the cap with white ink, containing off-white to brownish colored pellets.

NDC 13668-190-30 Bottles of 30 Bottles of 90 NDC 13668-190-90 NDC 13668-190-05 Bottles of 500 100 Unit dose capsules NDC 13668-190-74

Store tolterodine tartrate extended-release capsules at 20° to 25°C (68° to 77°F); excursions permitted to 15° to 30°C (59° to 86°F) [see USP Controlled Room Temperature]. Protect

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Patient Information). Antimuscarinic Effects

Inform patients that antimuscarinic agents such as tolterodine tartrate extended-release capsules may have side effects including blurred vision, dizziness, or drowsiness. Advise patients not to drive, operate machinery, or do other potentially dangerous activities until they know how tolterodine tartrate extended-release capsules affects them

PATIENT INFORMATION

Tolterodine Tartrate (tol-TER-oh-deen TAR-trate) Extended-Release Capsules

Read the Patient Information that comes with tolterodine tartrate extended-release capsules before you start using them and each time you get a refill. There may be new information. This leaflet does not take the place of talking with your doctor about your condition or your treatment. Only your doctor can determine if treatment with tolterodine tartrate extended-release capsules is right for you.

What are tolterodine tartrate extended-release capsules? Tolterodine tartrate extended-release capsules are a prescription medicine for adults used to treat the following

- symptoms due to a condition called **overactive bladder**: Having a strong need to urinate with leaking or wetting
- accidents (urge urinary incontinence). · Having a strong need to urinate right away (urgency).
- Having to urinate often (frequency).

Tolterodine tartrate extended-release capsules did not help the symptoms of overactive bladder when studied in children.

What is overactive bladder?

Overactive bladder happens when you cannot control your bladder muscle. When the muscle contracts too often or cannot be controlled, you get symptoms of overactive bladder, which are leakage of urine (urge urinary incontinence), needing to urinate right away (urgency), and needing to urinate often (frequency).

Who should not take tolterodine tartrate extended-release Do not take tolterodine tartrate extended-release capsules

You have trouble emptying your bladder (also called

- "urinary retention"). Your stomach empties slowly (also called "gastric
- You have an eye problem called "uncontrolled
- narrow-angle glaucoma".
- You are allergic to tolterodine tartrate extended-release capsules or to any of its ingredients. See the end of this leaflet for a complete list of ingredients.
- You are allergic to Toviaz[®], which contains fesoterodine

What should I tell my doctor before starting tolterodine tartrate extended-release capsules?

Before starting tolterodine tartrate extended-release capsules, tell your doctor about all of your medical conditions, including if you:

- Have any stomach or intestinal problems.
- Have trouble emptying your bladder or you have a weak
- Have an eye problem called narrow-angle glaucoma.
- Have liver problems.
- Have kidney problems.
- Have a condition called myasthenia gravis.
- Or any family members have a rare heart condition called QT prolongation (long QT syndrome).
- Are pregnant or trying to become pregnant. It is not known if tolterodine tartrate extended-release capsules could harm your unborn baby.
- Are breastfeeding. It is not known if tolterodine tartrate passes into your milk and if it can harm your child.

Tell your doctor about all the medicines you take, including prescription and non-prescription medicines, vitamins, and herbal supplements. Other drugs can affect how your body handles tolterodine tartrate extended-release capsules. Your

doctor may use a lower dose of tolterodine tartrate extended-release capsules if you are taking:

- Certain medicines for fungus or veast infections such as Nizoral® (ketoconazole). Sporanox® (itraconazole). or Monistat® (miconazole).
- Certain medicines for bacteria infections such as Biaxin® (clarithromycin)
- Certain medicines for treatment of HIV infection such as Norvir® (ritonavir), Invirase® (saguinavir), Reyataz®
- Sandimmune[®] (cyclosporine) or Velban[®] (vinblastine).

Know the medicines you take. Keep a list of them with you to show your doctor or pharmacist each time you get a new medicine.

How should I take tolterodine tartrate extended-release capsules?

- Take tolterodine tartrate extended-release capsules exactly as prescribed. Your doctor will prescribe the dose that is right for you. Do not change your dose unless told to do so by your doctor.
- Take tolterodine tartrate extended-release capsules once a day with liquid. Swallow the whole capsule. Tell your doctor if you cannot swallow a capsule.
- Tolterodine tartrate extended-release capsules can be
- taken with or without food. Take tolterodine tartrate extended-release capsules the
- same time each day.
- If you miss a dose of tolterodine tartrate extended-release capsules, begin taking tolterodine tartrate extended-release capsules again the next day. Do not take 2 doses of tolterodine tartrate extended-release capsules in the same day.
- If you took more than your prescribed dose of tolterodine tartrate extended-release capsules, call your doctor or poison control center, or go to the hospital emergency room.

What are possible side effects of tolterodine tartrate extended-release capsules?

Tolterodine tartrate extended-release capsules may cause allergic reactions that may be serious. Symptoms of a serious allergic reaction may include swelling of the face, lips, throat, or tongue. If you experience these symptoms, you should stop taking tolterodine tartrate extended-release capsules and get emergency medical help right away.

The most common side effects with tolterodine tartrate extended-release capsules are:

- Dry mouth
- Headache
- Constipation Stomach pain

Medicines like tolterodine tartrate extended-release capsules can cause blurred vision, dizziness, and drowsiness.

Do not drive, operate machinery, or do other dangerous activities until you know how tolterodine tartrate extended-release capsules affect you

Call your doctor for medical advice about side effects. You may report side effects to the FDA at 1-800-FDA-1088.

These are not all the side effects with tolterodine tartrate extended-release capsules. For a complete list, ask your doctor or pharmacist.

How do I store tolterodine tartrate extended-release capsules?

- Store tolterodine tartrate extended-release capsules at room temperature, 68° to 77°F (20° to 25°C); brief periods permitted between 59° to 86°F (15° to 30°C) Protect from light. Keep in a dry place.
- Keep tolterodine tartrate extended-release capsules and all medicines out of the reach of children.

General Information about tolterodine tartrate extended-release capsules

Medicines are sometimes prescribed for conditions that are not in the patient information leaflet. Only use tolterodine tartrate extended-release capsules the way your doctor tells you. Do not share it with other people even if they have the same symptoms you have. It may harm them.

This leaflet summarizes the most important information about tolterodine tartrate extended-release capsules. If you would like more information, talk with your doctor. You can ask your doctor or pharmacist for information about tolterodine tartrate extended-release capsules that is written for health professionals. You can also call 1-800-912-9561

What are the ingredients in tolterodine tartrate extended-release capsules?

Active ingredients: tolterodine tartrate

Inactive ingredients: cellulose microcrystalline, ethyl cellulose, FD & C blue 2, gelatin, hypromellose, medium chain triglycerides, oleic acid, sucrose, talc and titanium dioxide. 2 mg capsule also contains iron oxide yellow. Capsules have pharmaceutical grade printing ink that contains potassium hydroxide, propylene glycol, shellac, strong ammonia solution and titanium dioxide.

This Patient Information has been approved by the U.S. Food and Drug Administration.

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Dispense with Patient Information available at: https://torrentpharma.com/pi/usa/products/



Manufactured by: Torrent Pharmaceuticals LTD., India.

Manufactured for: Torrent Pharma INC., Basking Ridge, NJ 07920.

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